

**SERIES:** TS03 | **DESCRIPTION:** TACTILE SWITCH

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**FEATURES**

- IP67
- long crimped pins
- through hole

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
rated voltage		1		12	Vdc
rated current		0.01		50	mA
withstanding voltage	for 1 minute		250		Vac
contact resistance	applying load of 2 times operating force at 5 Vdc, 10 mA			100	mΩ
insulation resistance	at 100 Vdc for 1 minute	100			MΩ
operating force	see force table				
actuator travel		0.15	0.25	0.35	mm
operating temperature		-30		80	°C
storage temperature		-40		90	°C
life	rated load, 2 cycles/second, 1.5 times operating force 160 gf models 260 gf models		80,000 60,000		cycles cycles
vibration	10~55~10 Hz, 1.5 mm amplitude, 2 hours on each XYZ				
flammability rating	see material table				
RoHS	yes				
IP level	IP67				

**SOLDERABILITY**

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 3 seconds			350	°C
wave soldering	for maximum 5 seconds			260	°C

**PART NUMBER KEY**

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**TS03 - 66 - XX - BK - XXX - LCR - D - 67**

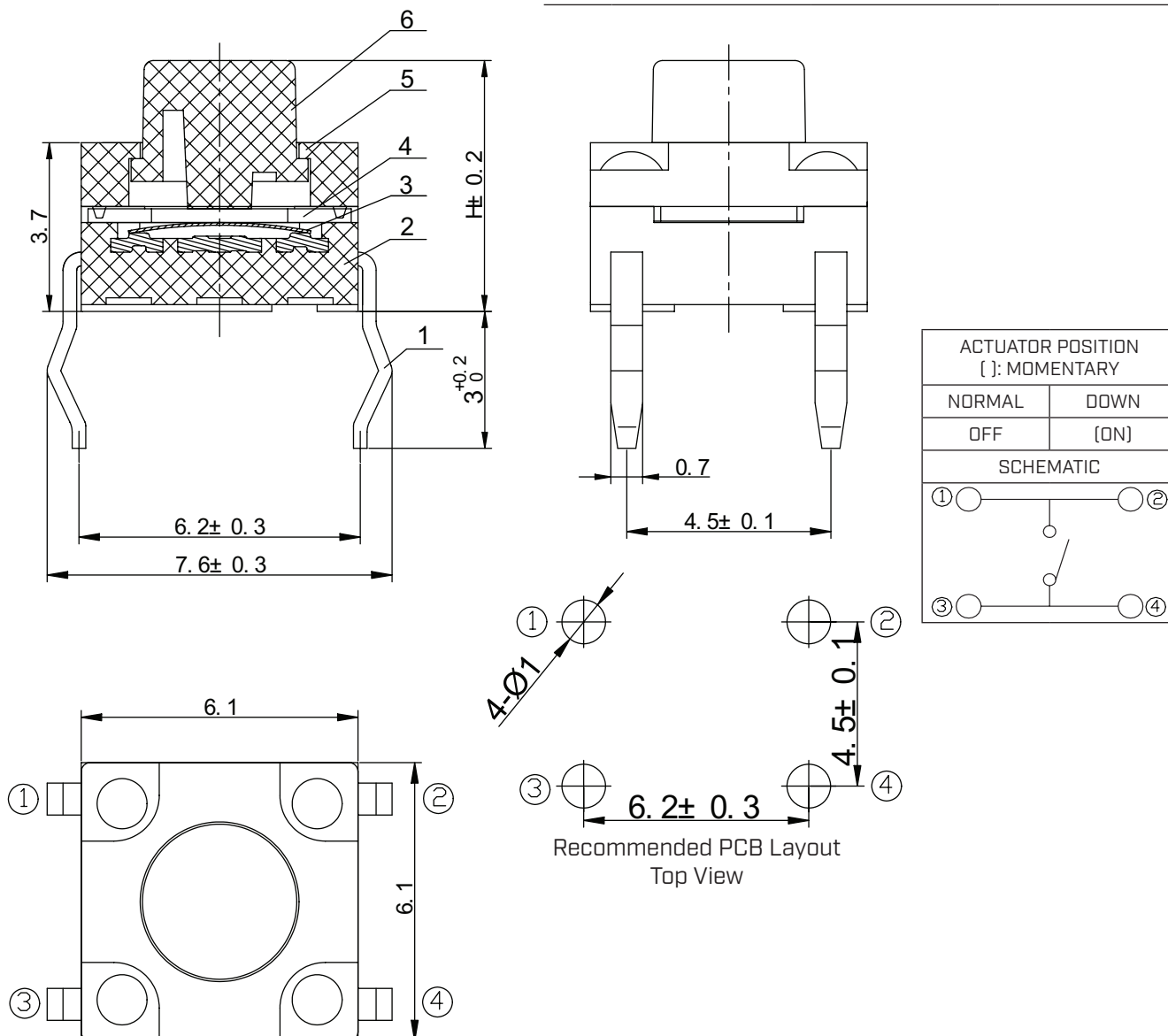
Base Number

Actuator Height:  
50 = 5.0 mm  
70 = 7.0 mm  
80 = 8.0 mm  
95 = 9.5 mmPush Force:  
160 = 160 gf  
260 = 260 gf

## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  mm  
unless otherwise noted

ITEM	DESCRIPTION	MATERIAL	PLATING/COLOR
1	terminals	brass	silver
2	case	PA66 (UL94HB)	black
3	contacts	stainless steel	silver
4	waterproof silicone	silica gel	black
5	cover	PA66 (UL94V-0)	black
6	stem	PA66 (UL94HB)	yellow

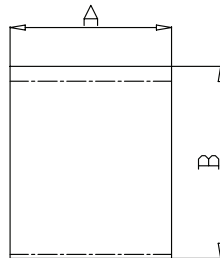


Operating Force Table		
Model	Press Force [N]	Return Force [N]
160	$1.6 \pm 0.5$	$> 0.2$
260	$2.6 \pm 0.5$	$> 0.2$

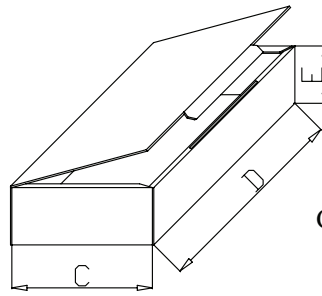
## PACKAGING

units: mm

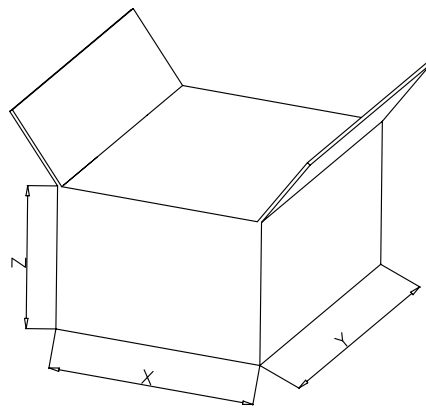
Bag Size: 190 x 160 mm  
Carton Box Size: 445 x 350 x 280 mm  
Bag QTY: 1,000 pcs per bag  
Carton Box QTY: 60,000 pcs per carton



A=160mm、B=190mm



C=160mm、D=216mm、E=48mm



X=350mm、Y=455、Z=280mm

## REVISION HISTORY

rev.	description	date
1.0	initial release	09/20/2021
1.01	logo, datasheet style update	08/05/2022

The revision history provided is for informational purposes only and is believed to be accurate.



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